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NOTICE OF ALLOWANCE AND FEE(S) DUE

22428

7590

02/11/2009

FOLEY AND LARDNER LLP SUITE 500 3000 K STREET NW WASHINGTON, DC 20007 EXAMINER

WALLENHORST, MAUREEN

ART UNIT PAPER NUMBER

1797

DATE MAILED: 02/11/2009

APPLICATION NO.	APPLICATION NO. FILING DATE FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/537,766	06/06/2005	Yasuki Itoh	081356-0242	5454	

TITLE OF INVENTION: METHOD OF QUANTIFYING SMALL-SIZED LOW DENSITY LIPOPROTEIN

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/11/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

appropriate. All further indicated unless correcte maintenance fee notifica	correspondence including ed below or directed oth tions.	ng the Patent, advance on herwise in Block 1, by (rders and notification of a) specifying a new co.	of ma rresp	aintenance fees voondence address;	vill be and/or	mailed to the current (b) indicating a sepa	corresp rate "F	oondence address as EE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) 22428 7590 02/11/2009				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
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FOLEY AND SUITE 500 3000 K STREET	I S a t	Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the U States Postal Service with sufficient postage for first class mail in an env addressed to the Mail Stop ISSUE FEE address above, or being facs transmitted to the USPTO (571) 273-2885, on the date indicated below.					ited with the United mail in an envelope		
WASHINGTON			(Depc						
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	OR		ATTO	RNEY DOCKET NO.	CON	FIRMATION NO.
10/537,766	06/06/2005	•	Yasuki Itoh				081356-0242		5454
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nonprovisional	NO	\$1510	\$300	_	\$0		\$1810		05/11/2009
EXAM	IINER	ART UNIT	CLASS-SUBCLASS						
WALLENHORS	ST, MAUREEN	1797	436-071000						
 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 			2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.						
PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comj GNEE	A TO BE PRINTED ON ified below, no assignee pletion of this form is NO	data will appear on the T a substitute for filing (B) RESIDENCE: (Cl	e pat an as	tent. If an assign ssignment. and STATE OR C	COUNT	RY)		
Please check the appropr	iate assignee category or	categories (will not be p	rinted on the patent):		Individual 🖵 Co	orporati	on or other private gro	oup enti	ty Government
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) ☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).						
5. Change in Entity State	,	*	Dia Assiliana isan	1	and deline of the COMA	I I DAT	EVENT - t - t C 27 O	ED 1.25	W-\(2\)
NOTE: The Issue Fee an	s SMALL ENTITY state d Publication Fee (if req	uired) will not be acceptentes Patent and Trademark	b. Applicant is no ed from anyone other that						
-									
Authorized Signature				Date					
Typed or printed name	-								
an application. Confident submitting the completed this form and/or suggesti	tiality is governed by 35 d application form to the ions for reducing this bu Virginia 22313-1450. DO	CFR 1.311. The information of U.S.C. 122 and 37 CFR USPTO. Time will variety, sould be sent to the DNOT SEND FEES OR	1.14. This collection is depending upon the in e Chief Information Of	estir idivid ficer	mated to take 12 i dual case. Any co . U.S. Patent and	minutes mment Traden	to complete, including s on the amount of time ark Office, U.S. Depart	ig gathe ne you artment	ering, preparing, and require to complete of Commerce, P.O.

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FOLEY AND L	ARDNER LLP	WALLENHORS	ST, MAUREEN		
SUITE 500			ART UNIT	PAPER NUMBER	
3000 K STREET NW WASHINGTON, DC 20007			1797 DATE MAILED: 02/11/200	9	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 126 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 126 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)					
	Application No.						
Notice of Allowability	10/537,766	ITOH ET AL.					
Notice of Allowability	Examiner	Art Unit					
	Maureen M. Wallenhorst	1797					
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject to	plication. If not included will be mailed in due course. THIS					
1. 🔀 This communication is responsive to the amendment received	ved on January 21, 2009.						
2. X The allowed claim(s) is/are <u>1, 4, 7, 5, 8, 6, 12-14, 37, 10-1</u>	1, 38, 15-17, 20, 18, 21, 19 (renumb	<u>ered 1-20)</u> .					
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents 	be been received. be been received in Application No						
International Bureau (PCT Rule 17.2(a)).							
* Certified copies not received:							
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements					
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give							
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.						
(a) ☐ including changes required by the Notice of Draftspers	son's Patent Drawing Review (PTO-	948) attached					
1) ☐ hereto or 2) ☐ to Paper No./Mail Date							
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of						
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t							
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT							
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal F	Patent Application					
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary						
3. ☐ Information Disclosure Statements (PTO/SB/08),	Paper No./Mail Da 7.	te					
Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit 8. ☑ Examiner's Statement of Reasons for Allowance							
of Biological Material							
/Maureen M. Wallenhorst/							
Primary Examiner, Art Unit 1797							

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REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: Application serial no. 10/537,766 is being allowed for the reasons of record in the Office action mailed on September 19, 2008, and since none of the prior art of record teaches or fairly suggests a method for quantifying small particle LDL, defined in the specification as lipoprotein smaller in particle size but higher in density than standard LDL, comprising the steps of precipitating lipoproteins other than small particle LDL and HDL from a test sample by adding a separation agent comprising a polyanion, a divalent cation and a monovalent cation, wherein the monovalent cation is at a final concentration of 50 mmol/L or less, eliminating HDL by treating the test sample with cholesterol esterase and cholesterol oxidase in the presence of polyalkylene oxide, and quantifying the small particle LDL leftover in the sample by measuring the amount of LDL. In addition, none of the prior art of record teaches or fairly suggests a method for separating small particle LDL from a test sample comprising precipitating LDLs other than small particle LDL by adding a separation agent comprising a monovalent cation at a final concentration of 50 mmol/L or less to the test sample.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Art Unit: 1797

2. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Maureen M. Wallenhorst whose telephone number is 571-272-

1266. The examiner can normally be reached on Monday-Thursday from 6:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Jill Warden, can be reached on 571-272-1267. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Maureen M. Wallenhorst Primary Examiner Art Unit 1797

mmw

February 9, 2009

/Maureen M. Wallenhorst/

Primary Examiner, Art Unit 1797